

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-243997

(43)Date of publication of application : 14.09.1999

(51)Int.Cl.

C12Q 1/68

C12N 15/09

G01N 33/50

G01N 33/566

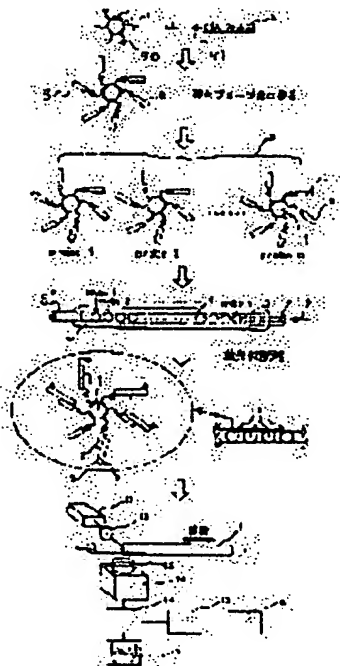
(21)Application number : 10-053099

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(22)Date of filing : 05.03.1998

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(54) DNA PROBE ARRAY



(57)Abstract:

PROBLEM TO BE SOLVED: To provide a probe array for detecting many kinds of DNAs by immobilizing many kinds of arbitrary DNA probes.

SOLUTION: The probe array 4 obtained by arranging particles (prove particles) 1 having various probes 2 immobilized thereon in a constant order is used. The probe array 4 obtained by arranging the various particles 1 always in a constant order is made by arranging plural thin tubes or grooves filled with the prove particles in parallel to each other and subsequently individually injecting the particles from the thin tubes or grooves into another fine tube or groove. The many kinds of probes are thus bound to the particles having different diameters and enable the simultaneous measurement of many kinds of fluorescent light-labeled DNAs. Thereby, the array having various kinds of the DNA probes immobilized thereon can simply be prepared.



LEGAL STATUS

[Date of request for examination] 10.10.2002

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the
examiner's decision of rejection or application
converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of
rejection]

[Date of requesting appeal against examiner's decision
of rejection]

[Date of extinction of right]

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